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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,500	09/19/2003	Mark Yalovsky	60001.0382US01/MS302845.1	1758

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EXAMINER

NGUYEN, MAIKHANH

ART UNIT PAPER NUMBER

2176

DATE MAILED: 05/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/664,500

Applicant(s)

YALOVSKY, MARK

Examiner

Maikhanh Nguyen

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– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 18-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

***DETAILED ACTION***

1. This action is responsive to communications: Election filed 04/11/2006 to the original application filed 09/19/2003.
2. Claims 1-17 are currently pending for examination. Claims 18-20 are withdrawn from consideration. Claims 1 and 12 are independent claims.
3. Applicant is required to cancel non-elected claims 18-20 in the next response to this office action.

***Election/Restrictions***

4. Applicant's election traverse of group I, claims 1-17 in the reply filed on April 11, 2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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*(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.*

Claims 1-17 are rejected under 35 U.S.C. 102(b) as being anticipating by

**HIGASHIYAMA** et al. (US 2002/0032705, Publication date: 03/14/2002).

**As to claim 1:**

Higashiyama teaches a computer-implemented method for inserting input into an electronic document page (*e.g., placing an insertion point in an electronic document in an electronic system for creating and editing an electronic document..*

*... then formatting is performed to place the insertion point in the electronic document) [see the Abstract and the discussion beginning at ¶0009) comprising the steps of:*

*placing a pointer on the electronic document page (e.g., placing an insertion point in an electronic document) [see Abstract and the discussion beginning at ¶¶0009 and 0047];*

*in response to placing the pointer on the electronic document page, scanning the electronic document page for an existing object (e.g., the location that the user is clicking on with a cursor is determined. The most likely position that the user wants to place the insertion point and text and object formatting attributes are determined based on the context information regarding the cursor location. Any necessary formatting adjustments are made in the*

*electronic document to place the insertion point at the cursor location) [see*

*Abstract and the discussion beginning at ¶ 0024];*

if an existing object is detected in the scanning step:

*selecting a content-based guideline of the existing object that is adjacent to the pointer (e.g., a rule is selected ...the cursor presentation is changed to match the selected rule ... the object next to which the cursor is positioned) [see the discussion beginning at ¶0089), and*

*aligning the pointer to the content-based guideline for inserting the input (e.g., after a rule is selected at step 215, the method 200 proceeds to step 220 and the cursor presentation is changed to match the selected rule. Typically, the cursor presentation will be an icon indicating the anticipated location of the insertion point should the user double-click the mouse button while the cursor is at its current location. In an exemplary embodiment, the cursor may be a left alignment icon indicating the insertion point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text*

*wrapping which will be applied to the object next to which the cursor is positioned. Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].*

**As to claim 2:**

Higashiyama teaches the input comprises a document object (*e.g., objects in a document; ¶0008*).

**As to claim 3:**

Higashiyama teaches the content-based guideline is an existing content-based guideline, and wherein the input document object comprises content, and wherein the method further comprises the step of identifying an input content-based guideline of the input document object (*e.g., allows a user to place an insertion point at various points within an electronic document without having to manually add spaces, tabs or carriage returns to the document. Generally described, the location that the user is clicking on with a cursor is determined. The most likely position that the user wants to place the insertion point and text and object formatting attributes are determined based on the context information regarding the cursor location. Any necessary formatting adjustments are made in the electronic document to place the insertion point at the cursor location) [see the discussion beginning at ¶0009], and wherein the aligning step comprises*

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positioning the content of the input document object on the page so that the input content-based guideline is aligned to the existing content-based guideline (*e.g., the cursor may be a left alignment icon indicating the insertion point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text wrapping which will be applied to the object next to which the cursor is positioned* Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].

**As to claim 4:**

Higashiyama teaches the input document object comprises a graphic (*e.g., graphical objects; see ¶¶ 0023 and 0025*)

**As to claim 5:**

Higashiyama teaches the input document further comprises textual content (*e.g., text; see ¶¶ 0024, 0025, and 0048*).

**As to claim 6:**

Higashiyama teaches the input comprises text (*e.g., text; see ¶¶ 0024, 0025, and 0048*).

**As to claim 7:**

Higashiyama teaches the existing object comprises text and content-based guideline is horizontally aligned with the text (*e.g., the collection of context information may comprise examining the alignment of the line over which the cursor is positioned, examining whether there is text on the line over which the cursor is positioned, examining whether tab stops exist on the line over which the cursor is positioned, determining the horizontal position of the cursor on the line*) [see the discussion beginning at ¶0052].

**As to claim 8:**

Higashiyama teaches the existing object comprises text and the content-based guideline is a vertical guideline that is aligned to a format feature of the text (*e.g., the collection of context information may comprise examining the alignment of the line over which the cursor is positioned, examining whether there is text on the line over which the cursor is positioned...determining the vertical position of the cursor in the document*) [see the discussion beginning at ¶0052].

**As to claim 9:**

Higashiyama teaches the existing object comprises text (*e.g., text; see ¶¶ 0024, 0025, and 0048*) and the content-based guideline is aligned to a reflow bar of the existing object (*e.g., the cursor may be a left alignment icon indicating the insertion point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right*



*aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text wrapping which will be applied to the object next to which the cursor is positioned. Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].*

**As to claim 10:**

Higashiyama teaches if no existing object is detected in the scanning step, inserting input at the placement of the pointer (*e.g., an appropriate cursor is displayed... The cursor is typically used to provide the user with an indication of the placement of the insertion point should the user choose to enter an insertion point with the cursor in its current location. Thus, as the cursor is moved around the screen, the cursor will change based upon the changing context information*) [see the discussion beginning at ¶0096].

**As to claim 11:**

Higashiyama teaches the existing object comprises existing text the input comprises input text (*e.g., the user wants to place the insertion point and text and object formatting attributes are determined based on the context information regarding the cursor location*) [see the discussion beginning at ¶0009]; the content-based guideline is aligned with a feature of the existing text; and the aligning step further comprises aligning the input text to the content-based guideline (*e.g., the cursor may be a left alignment icon indicating the insertion*

*point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text wrapping which will be applied to the object next to which the cursor is positioned Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].*

**As to claim 12:**

Higashiyama teaches a computer-readable storage device storing a set of computer-executable instructions for inserting input in an electronic page (*e.g., placing an insertion point in an electronic document in an electronic system for creating and editing an electronic document... then formatting is performed to place the insertion point in the electronic document*) [see the Abstract and the discussion beginning at ¶0009) by performing the steps of:

- *placing a pointer in an electronic page (e.g., placing an insertion point in an electronic document) [see Abstract and the discussions beginning at ¶¶0009 and 0047];*
- *scanning the electronic page for existing objects (e.g., the location that the user is clicking on with a cursor is determined. The most likely position that the user wants to place the insertion point and text and object formatting attributes are determined based on the context information regarding the cursor location. Any necessary formatting adjustments are*

*made in the electronic document to place the insertion point at the cursor location) [see Abstract and the discussion beginning at ¶ 0024];*

- *determining a dominant existing object; identifying content guidelines of the dominant existing object (e.g., determining which paragraph the cursor is over. For example, typically, the cursor may be over existing text (including blank lines) or the cursor may be over no existing text. If the cursor is over existing text, then there are properties, or attributes, of the existing text that are examined. These properties include, but are not limited to, tab stops, section level properties (a section is typically defined by section breaks), and paragraph properties (a paragraph is text between two paragraph marks). If the cursor is over no existing text, then the closest text that is immediately above the cursor position is examined and properties, or attributes, of that text are examined) [see the Placing an Insertion Point in a Document discussion beginning at ¶ 0047];*
- *selecting a content guideline of the dominant existing object according to its position on the electronic page relative to the pointer (e.g., a rule is selected ...the cursor presentation is changed to match the selected rule ... the object next to which the cursor is positioned) [see the discussions beginning at ¶0089); and*
- *creating a new object wherein the content of the new object is aligned with the selected content guideline of the dominant existing object (e.g., after a rule is selected at step 215, the method 200 proceeds to step 220 and the cursor presentation is changed to match the selected rule. Typically, the*

*cursor presentation will be an icon indicating the anticipated location of the insertion point should the user double-click the mouse button while the cursor is at its current location. In an exemplary embodiment, the cursor may be a left alignment icon indicating the insertion point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text wrapping which will be applied to the object next to which the cursor is positioned. Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].*

**As to claim 13:**

Higashiyama teaches selecting the content guideline of the dominant existing object that is closest on the electronic page to the pointer (e.g., *collecting context information is typically based on cursor position and comprises determining which paragraph the cursor is over. then the closest text that is immediately above the cursor position is examined and properties, or attributes, of that text are examined*) [see the *Placing an Insertion Point in a Document* discussion beginning at ¶ 0047].

**As to claim 14:**

Higashiyama teaches determining a dominant existing object on the basis of position on the electronic page (*e.g., determining which paragraph the cursor is over. ... If the cursor is over existing text, then there are properties, or attributes, of the existing text that are examined. These properties include, but are not limited to, tab stops, section level properties (a section is typically defined by section breaks), and paragraph properties (a paragraph is text between two paragraph marks). If the cursor is over no existing text, then the closest text that is immediately above the cursor position is examined and properties, or attributes, of that text are examined*) [see the *Placing an Insertion Point in a Document* discussion beginning at ¶ 0047].

**As to claim 15:**

Higashiyama teaches determining that the existing object that is closest to the left side of the electronic page is the dominant existing object (*e.g., a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed*) [see the discussion beginning at ¶ 0089].

**As to claim 16:**

Higashiyama teaches determining that the existing object that is closest to the top side of the electronic page is the dominant existing object (*e.g., after a rule is selected at step 215, the method 200 proceeds to step 220 and the cursor presentation is changed to match the selected rule. Typically, the cursor*

*presentation will be an icon indicating the anticipated location of the insertion point should the user double-click the mouse button while the cursor is at its current location. In an exemplary embodiment, the cursor may be a left alignment icon indicating the insertion point will be left aligned, a center alignment icon indicating the insertion point will be center aligned, a right alignment icon indicating the insertion point will be right aligned, an indent icon indicating that the insertion point will be indented, and a text-wrapping icon indicating the type of text wrapping which will be applied to the object next to which the cursor is positioned. Thus, a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].*

**As to claim 17:**

Higashiyama teaches identifying the existing object that is closest to the top left corner of the electronic page (e.g., a selected rule that corresponds to formatting steps that left align the insertion point will cause a left align cursor to be displayed) [see the discussion beginning at ¶0089].

**Conclusion**

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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- Van De Vanter U.S. Pat. No. 5,857,212 Issued: Jan. 5, 1999
- Higashiyama et al. U.S. Pat. No. 7,024,623 Issued: Apr. 4, 2006
- H. Nobu, "Two-Cursor System (Both Hands User Interface)," IBM

Technical Disclosure Bulletin, Vol. 38, No. 2, Feb. 1995.

- "Automatic Adjustment to Placement of Text in Document," IBM

Technical Disclosure Bulletin, Vol. 27, No. 9, Feb. 1985.

***Contact information***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Nguyen whose telephone number is (571) 272-4093. The examiner can normally be reached on Monday - Friday from 9:00am – 5:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached at (571) 272-4136.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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